Altronix®

Rev. 06282023

AL300X220 Series

Power Supply/Chargers

Altronix AL300X220 series power supply/chargers convert a 220VAC (working range 198VAC - 256VAC), 50/60Hz input into a single, four (4), eight (8) or sixteen (16) fuse/PTC protected outputs. Outputs are selectable for 12VDC or 24VDC with a total of 2.5A max.

AL300PD8220

Key Features

- Available with 1, 4, 8 or 16 outputs
- Fused or PTC ptotected outputs
- Supervision
  - AC Fail
  - Battery Fail and Battery Presence
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- Short circuit and overload protection
- AC input and DC output options
- Lifetime Warranty
- All units are available in grey or red enclosure

AL300X220 series Power Supply Configuration Reference Chart

Altronix Model Number	Input Rating: 220VAC, 50/60Hz	Input Fuse Rating	Power Supply Battery Fuse Rating	Total Output Rating (A)	Power Distribution Module(s)	Number of Outputs	Fused Outputs Ratings	PTC Auto-Resettable Outputs Ratings	Accommodates Batteries
AL300X220	1.7A	5A/250V	15A/32V	2.5A	N/A	1	3.5A	–	Two (2) 7AH
AL300XX220									Two (2) 12AH
AL300XJ220									Two (2) 18AH
AL300PD4220					PD4	4	3.5A	–	Two (2) 7AH
AL300XPD4220									Two (2) 12AH
AL300PD4CB220					PD4CB		–	2.5A	Two (2) 7AH
AL300XPDCB4220									Two (2) 12AH
AL300PD8220					PD8	8	3.5A	–	Two (2) 7AH
AL300XPD8220									Two (2) 12AH
AL300PD8CB220					PD8CB		–	2.5A	Two (2) 7AH
AL300XPD8CB220									Two (2) 12AH
AL300XPD16220					Two (2) PD8	16	3.5A	–	Two (2) 12AH
AL300XPD16CB220					Two (2) PD8CB		–	2.5A	Two (2) 12AH

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Specifications

Input

Voltage	220VAC (working range 198VAC - 256VAC), 50/60Hz, 1.7A max.
Fusing	5A/250V

Outputs

Voltage	12VDC or 24VDC selectable
Current	2.5A continuous max.
Protection	Fused 3.5A / PTC 2.5A
Other	Overvoltage protection Filtered and regulated

Battery Charging

Capacity	7AH/12VDC (1 or 2 within enclosure) 12AH/12VDC (requires larger "X" enclosure) 18AH/12VDC (requires larger "J" enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Fuse Rating	15A/32V
Failover	Upon AC loss, instantaneous

Batteries are sold separately

Supervision

AC Failure	Form "C" contacts
Battery	Form "C" contacts

Indicators (LED)

Input	220VAC is present
DC Output	Powered
Battery	Discharged or not connected

Physical and Environmental

Dimensions (H x W x D)

AL300X220, AL300PD4(CB)220, AL300PD8(CB)220):

Enclosure:
13" x 12.5" x 3.25" (330.2mm x 317.5mm x 82.6mm)

Shipping:
15" x 13.875" x 4.75" (381mm x 352.4mm x 120.6mm)

AL300XX220, AL300XPD4(CB)220, AL300XPD8(CB)220, AL300XPD16(CB)220:

Enclosure:
15.5" x 12.23" x 4.5" (393.7mm x 310.6mm x 114.3mm)

Shipping:
16.5" x 13.5" x 6" (419.1mm x 342.9mm x 152.5mm)

AL300XJ220:

Enclosure:
18" x 14.5" x 4.5" (457.2mm x 368.3mm x 114.3mm)

Shipping:
21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

Weight (approx.)

Model	Product Weight	Shipping Weight
AL300X220	6.65 lb. (3.1 kg)	8.45 lb. (3.83 kg)
AL300XX220	8.25 lb. (3.75 kg)	10.55 lb. (4.79 kg)
AL300XJ220	11.5 lb. (5.22 kg)	13.7 lb. (6.21 kg)
AL300PD4(CB)220	6.8 lb. (3.1 kg)	8.6 lb. (3.9 kg)
AL300XPD4(CB)220	8.4 lb. (3.81 kg)	10.7 lb. (4.85 kg)
AL300PD8(CB)220	6.9 lb. (3.13 kg)	8.7 lb. (3.95 kg)
AL300XPD8(CB)220	8.5 lb. (3.86 kg)	10.8 lb. (4.9 kg)
AL300XPD16(CB)220	8.55 lb. (3.88 kg)	10.85 lb. (4.92 kg)

Temperature	
Operating:	0ºC to 49ºC (32ºF to 120ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	20 to 85%, non-condensing
BTU/Hr (approx.)	12VDC: 17 BTU/Hr. 24VDC: 32 BTU/Hr.

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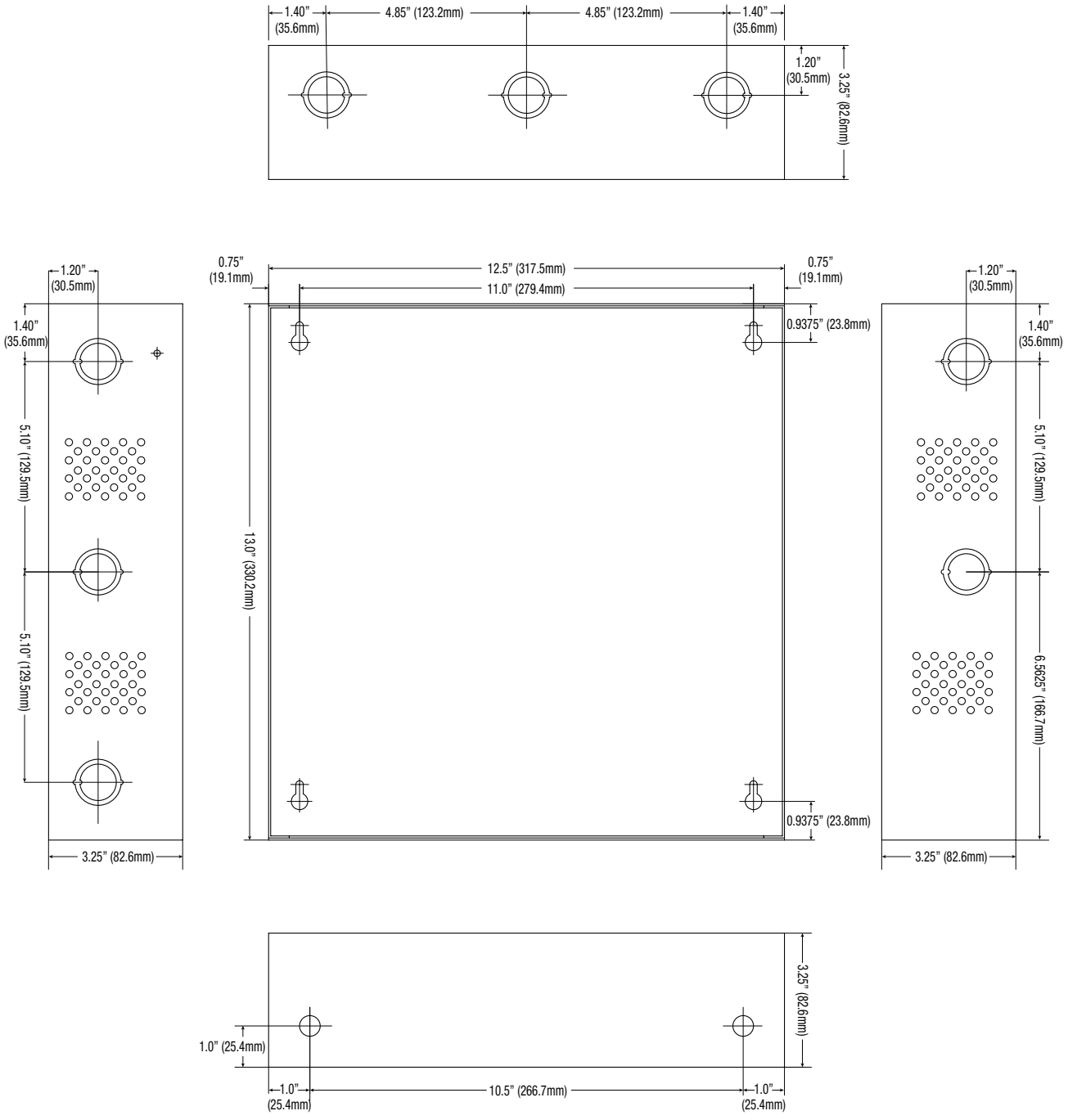
Dimensions and Drawing

AL300X220, AL300PD4(CB)220, AL300PD8(CB)220) Dimensions (H x W x D approximate)

13” x 12.5” x 3.25” (330.2mm x 317.5mm x 82.6mm)



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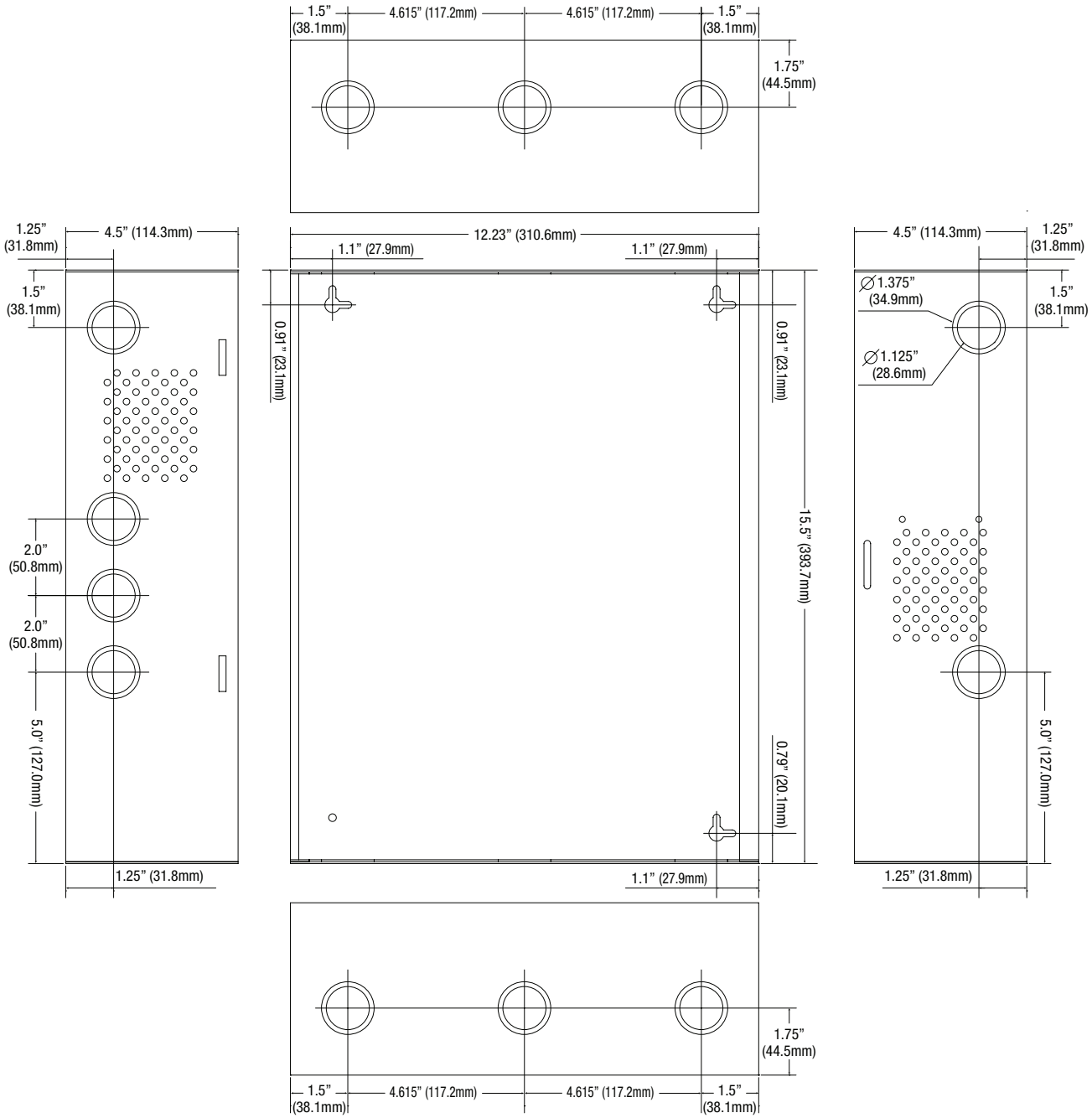
AL300X220 Series

Power Supply/Chargers

Dimensions and Drawing

AL300XX220, AL300XPD4(CB)220, AL300XPD8(CB)220, AL300XPD16(CB)220 Dimensions (H x W x D approximate)

15.5" x 12.23" x 4.5" (393.7mm x 310.6mm x 114.3mm)



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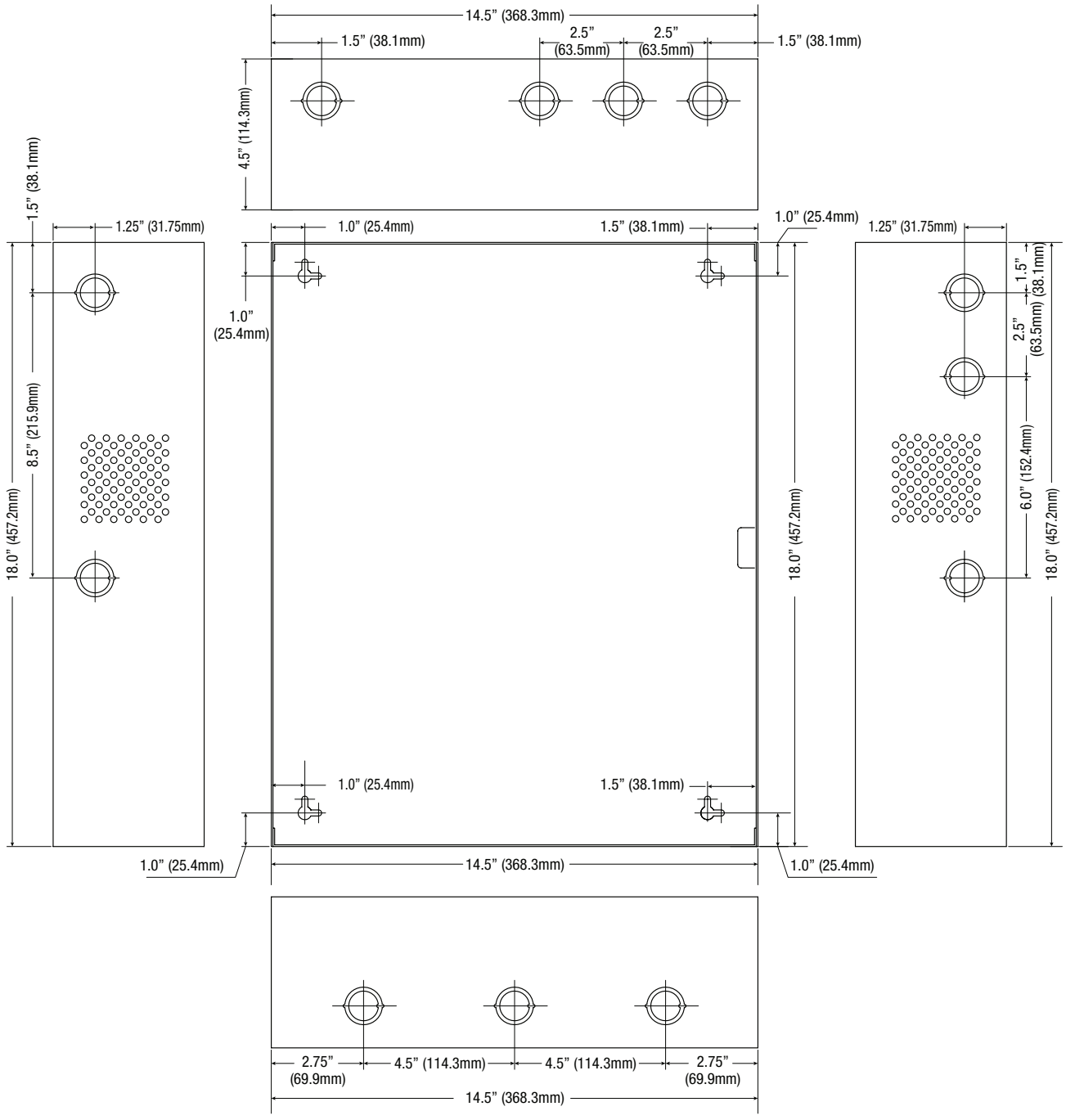
AL300XJ220 Dimensions (H x W x D approximate)

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